



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### ATP6V1B1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000525-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ATP6V1B1 full-length ORF ( AAH63411, 1 a.a. - 513 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAMEIDSRPGGLPGSSCNLGAAREHMQAVTRNYITHP  
RVTYRTVCSVNGPLVLDLDRVKFAQYAEIVHFTLPDGTQ  
RSGQVLEVAGTKAIVQVFEFGTSGIDARKTTCEFTGDIL  
RTPVSEDMLGRVFNGSGKPIDKGPVMAEDFLDINGQ  
PINPHSRIYPEEMIQTGISPIDVMNSIARGQKIPISFAAG  
LPHNEIAAQICRQAGLVKKS KAVLDYHDDNFAIVFAAM  
GVNMETARFFKSDFEQNGTMGNVCLFLNLANPTIERI  
ITPRLALTTAEFLAYQCEKHVLVILTDMSYAEALREVS  
AAREEVPGRRGFPGYMYTDLATYERAGRVEGRGGS  
TQIPILTMPND DITHPIPDLTGFITEGQIYVDRQLHNRQI  
YPPINVLPSLSRLMKS AIGEGMTRKDHGDVSNQLYAC  
YAIGKDVQAMKAVVGEEALTSEDLLYLEFLQKFEKNFI  
NQGYPYENRSVFESLDL GWKLLRIFPKEMLKRIPOAVID  
EFYSREGALQDLAPDTAL

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 81.95

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 525

**Gene Symbol:** ATP6V1B1

**Gene Alias:** ATP6B1, MGC32642, RTA1B, VATB, VMA2, VPP3

**Gene Summary:** This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of two V1 domain B subunit isoforms and is found in the kidney. Mutations in this gene cause distal renal tubular acidosis associated with sensorineural deafness. [provided by RefSeq]